

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

3A. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **NW/SW 1489'FSL, 258'FWL 625698x 40.032948'**

At proposed prod. Zone **44 32244y -109.526787**

14. Distance in miles and direction from nearest town or post office*
21.3 +/- MILES FROM OURAY, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) **258'**

16. No. of Acres in lease
1920.00

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. **REFER TO
TOPO C**

19. Proposed Depth
10,070'

20. BLM/BIA Bond No. on file
RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4826'GL

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature

Name (Printed/Typed)

Date

SHEILA UPCHEGO

8/8/2007

Title

SENIOR LAND ADMIN SPECIALIST

Approved by (Signature)

Name (Printed/Typed)

Date

BRADLEY G. HILL
Office **ENVIRONMENTAL MANAGER**

10-15-08

Title

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

AUG 16 2007

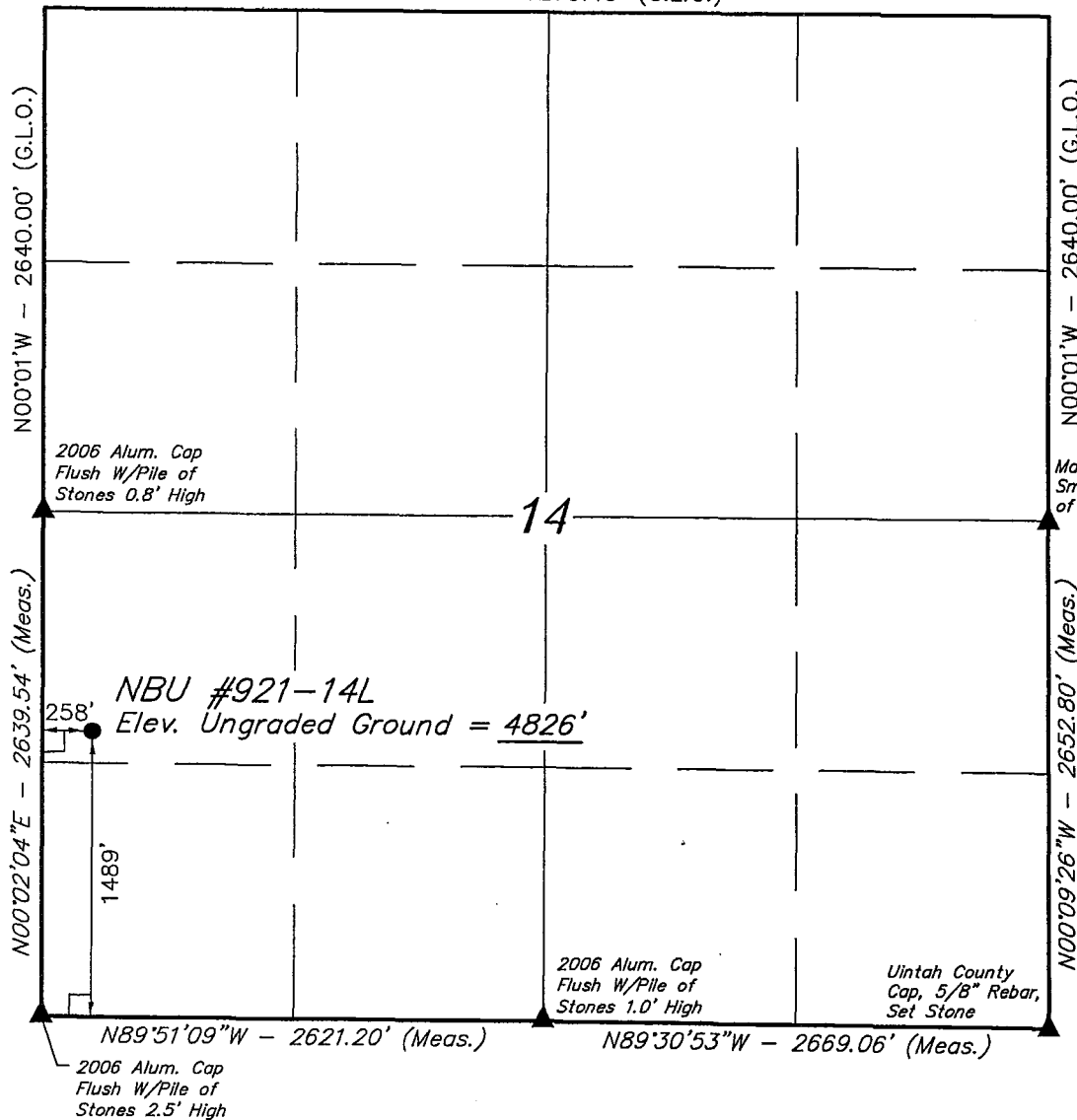
DIV. OF OIL, GAS & MINING

T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #921-14L, located as shown in the NW 1/4 SW 1/4 of Section 14, T9S, R21E, S.L.B.&M. Uintah County, Utah.

N89°50'W - 5273.40' (G.L.O.)

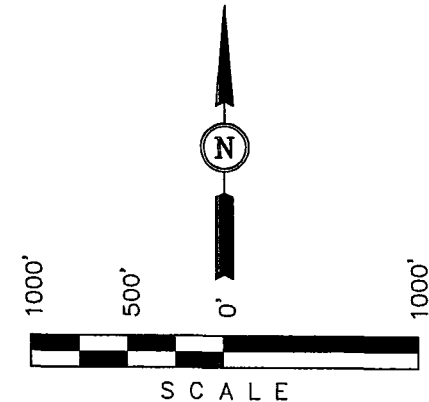


BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

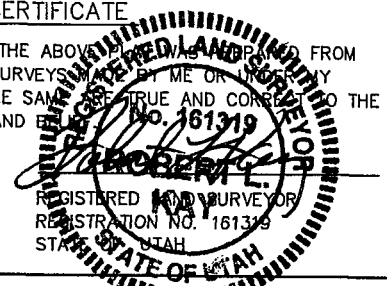
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 12-22-06 P.M.

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°01'58.50" (40.032917)
 LONGITUDE = 109°31'39.08" (109.527522)
 (NAD 27)
 LATITUDE = 40°01'58.63" (40.032953)
 LONGITUDE = 109°31'36.60" (109.526833)

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 09-08-03	DATE DRAWN: 09-18-03
PARTY K.K. B.J. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

4
NBU 921-13L
NW/SW SEC. 14, T9S, R21E
UINTAH COUNTY, UTAH
UTU-01193

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1670'
Top of Birds Nest Water	2006'
Mahogany	2676'
Wasatch	5061'
Mesaverde	7920'
MVU2	8873'
MVL1	9434'
TD	10,070'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1670'
	Top of Birds Nest Water	2006'
	Mahogany	2676'
Gas	Wasatch	5061'
Gas	Mesaverde	7920'
Gas	MVU2	8873'
Gas	MVL1	9434'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,070' TD, approximately equals 6243 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4028 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 8, 2007
WELL NAME NBU 921-14L TD 10,070' MD/TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,826' GL KB 4,841'
SURFACE LOCATION NW/SW SEC. 14, T9S, R21E 1489'FSL, 258'FWL BHL Straight Hole
Latitude: 40.032917 Longitude: 109.527522
OBJECTIVE ZONE(S) Wasatch/Mesaverde
ADDITIONAL INFO Regulatory Agencies: TRIBAL SURF, BLM MINERALS, UDOGM, Tri-County Health Dept.

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 36# J55 will be run on bottom		
Catch water sample, if possible, from 0 to 5,061'	Green River @ 1,670'				
	Top of Birds Nest Water @ 2,006'				
	Preset f/ GL @ 2,560' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
	Mahogany @ 2,676'				
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.8 ppg
	Wasatch @ 5,061'				
	Mverde @ 7,920'				
	MVU2 @ 8,873'				
	MVL1 @ 9,434'				
					Max anticipated Mud required 11.8 ppg
	TD @ 10,070'				



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2160	32.30	H-40	STC	0.57*****	1.36	3.51
	9-5/8"	2160 to 2560	36.00	J-55	STC	1.13*****	1.69	7.79
PRODUCTION	4-1/2"	0 to 10070	11.60	I-80	LTC	1.96	1.03	1.97

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing * Buoy. Fact. of water)
- MASP 3964 psi
- ***** Burst SF is low but csg is stronger than formation at 2560 feet
- ***** EMW @ 2560 for 2270# is 17.1 ppg or 0.9 psi/ft

CEMENT PROGRAM

		TO OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2			NOTE: If well will circulate water to surface, option 2 will be utilized				
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,560'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	500	60%	11.00	3.38
	TAIL	5,510'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1540	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

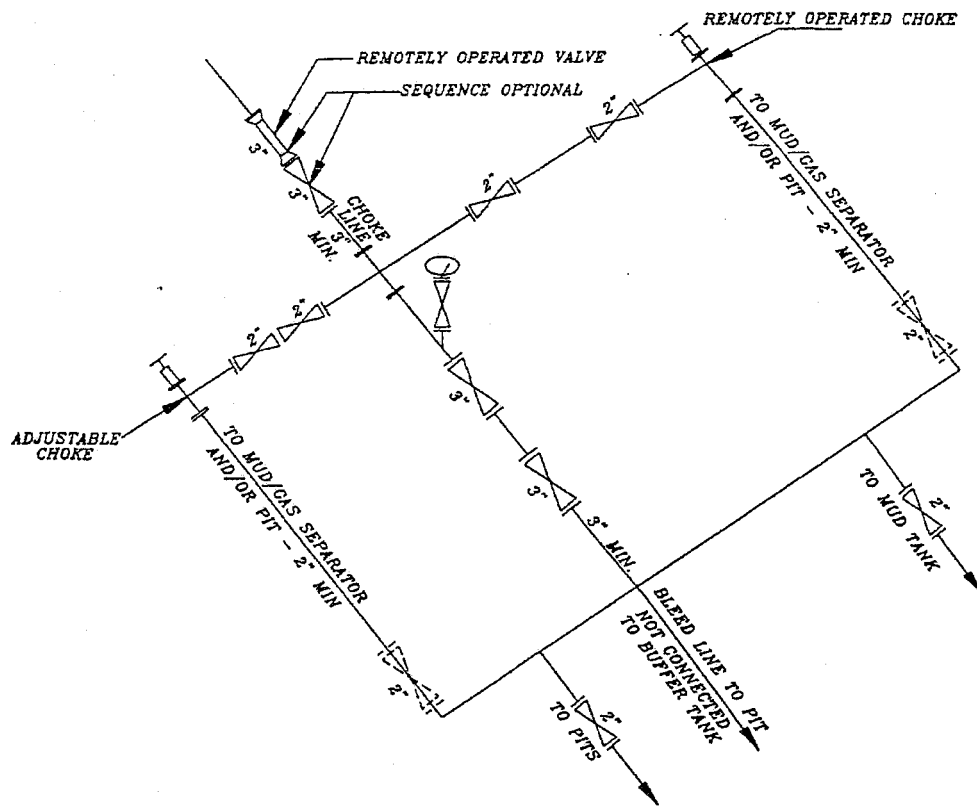
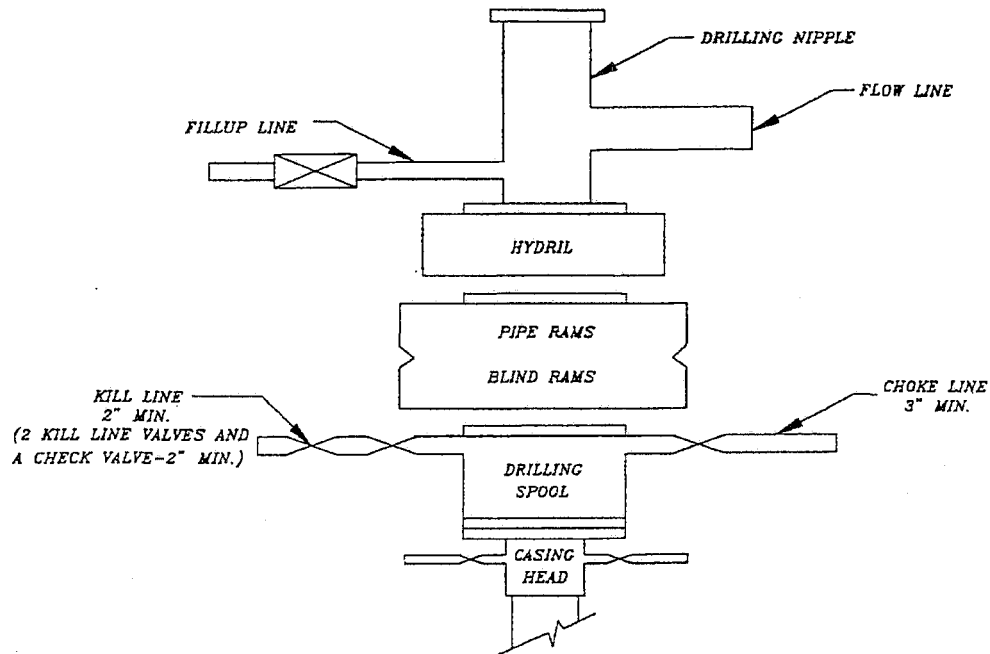
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-14L
NW/SW SEC. 14, T9S, R21E
UINTAH COUNTY, UTAH
UTU-01193

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.3 +/- miles of new access road. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 890' +/- of 4" pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

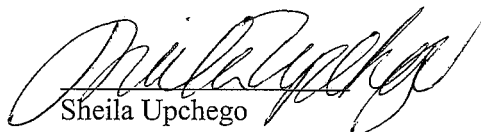
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

8/8/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14L

SECTION 14, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE #65N3 AND THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.4 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14L

LOCATED IN UINTAH COUNTY, UTAH

SECTION 14, T9S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

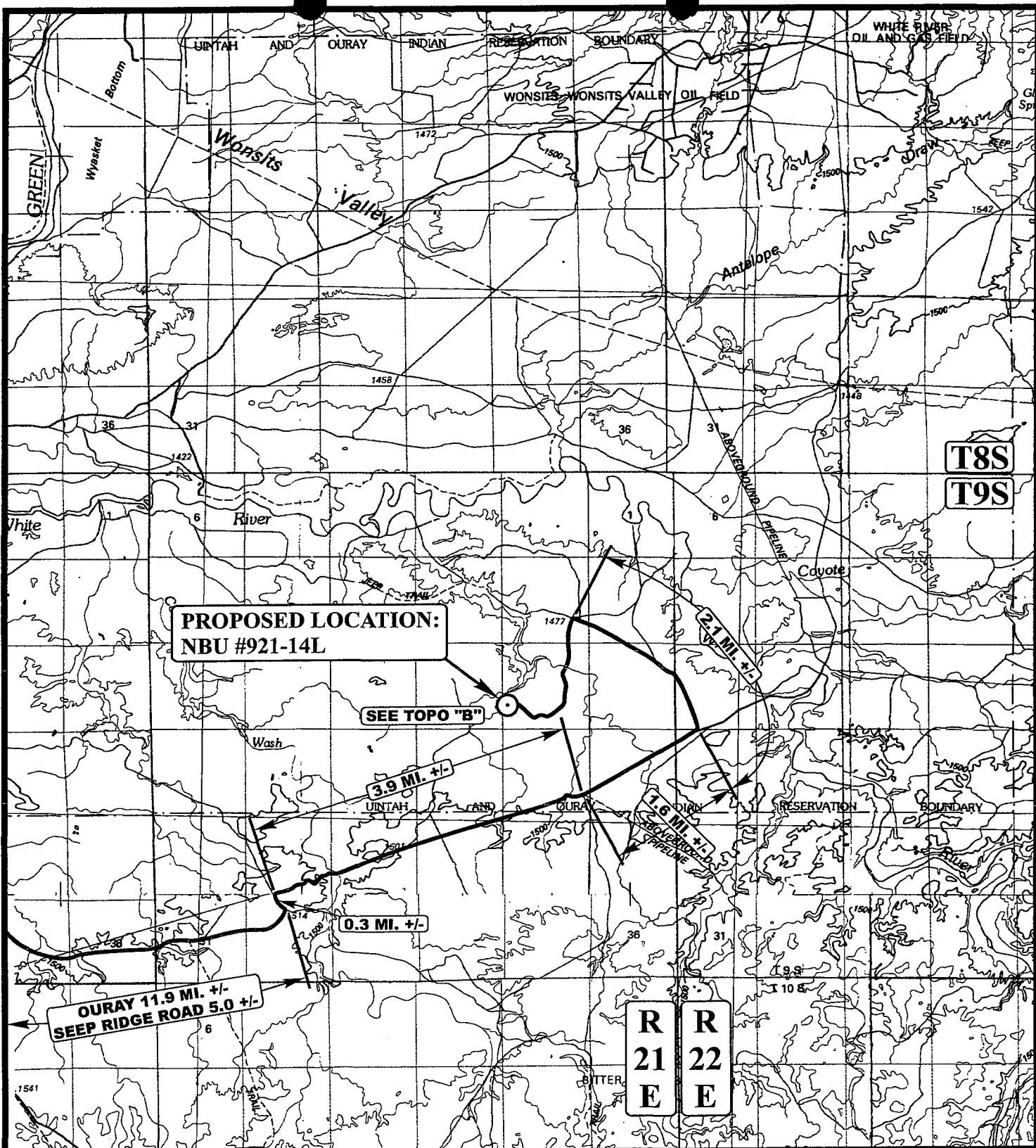
09 22 03
MONTH DAY YEAR

PHOTO

TAKEN BY: K.K.

DRAWN BY: C.G.

REVISED: 12-19-06C.P.



LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14L

SECTION 14, T9S, R21E, S.L.B.&M.

1489' FSL 258' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

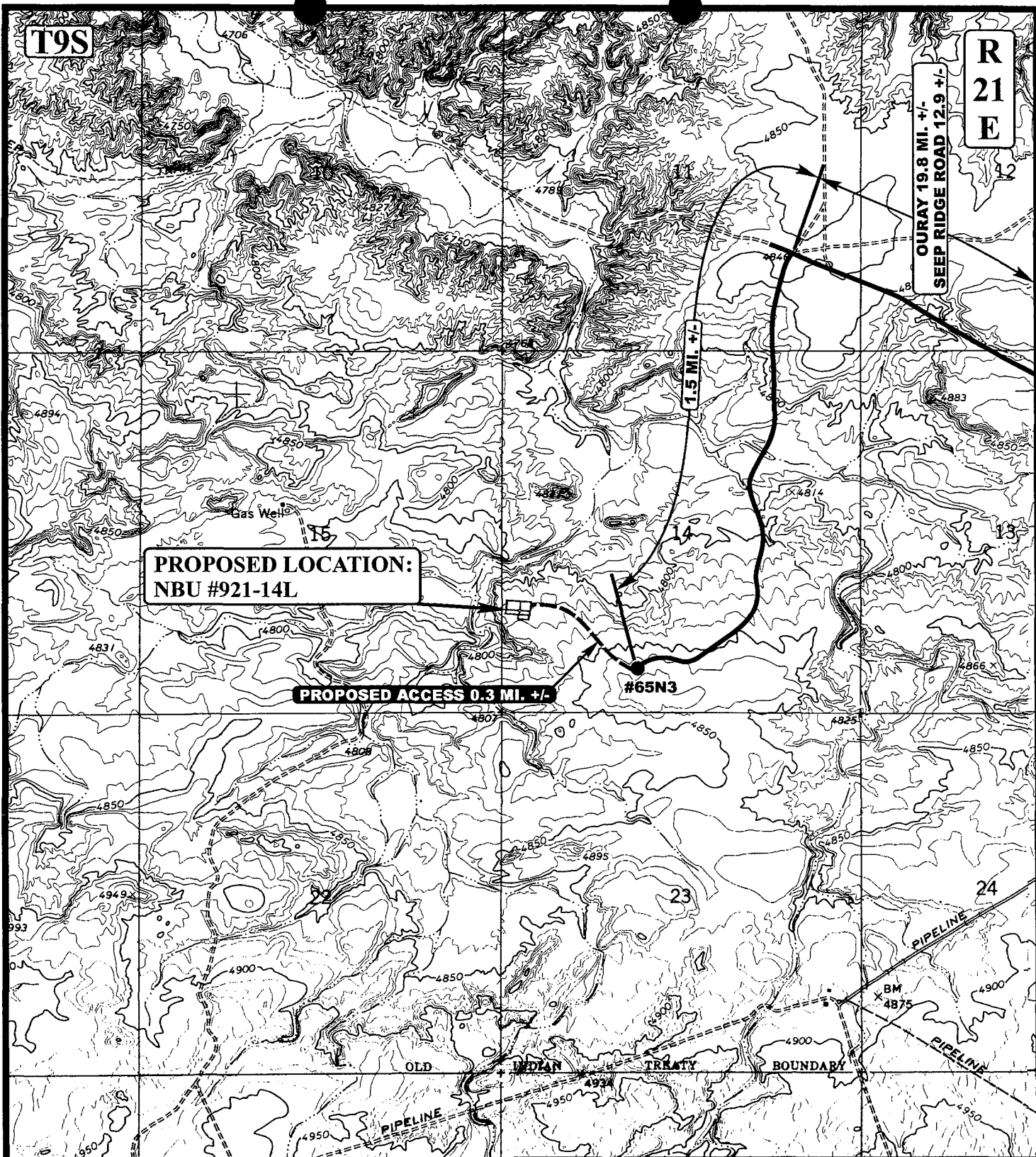
09 22 03
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.G.

REVISED: 12-19-06 C.P.





LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14L

SECTION 14, T9S, R21E, S.L.B.&M.

1489' FSL 258' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

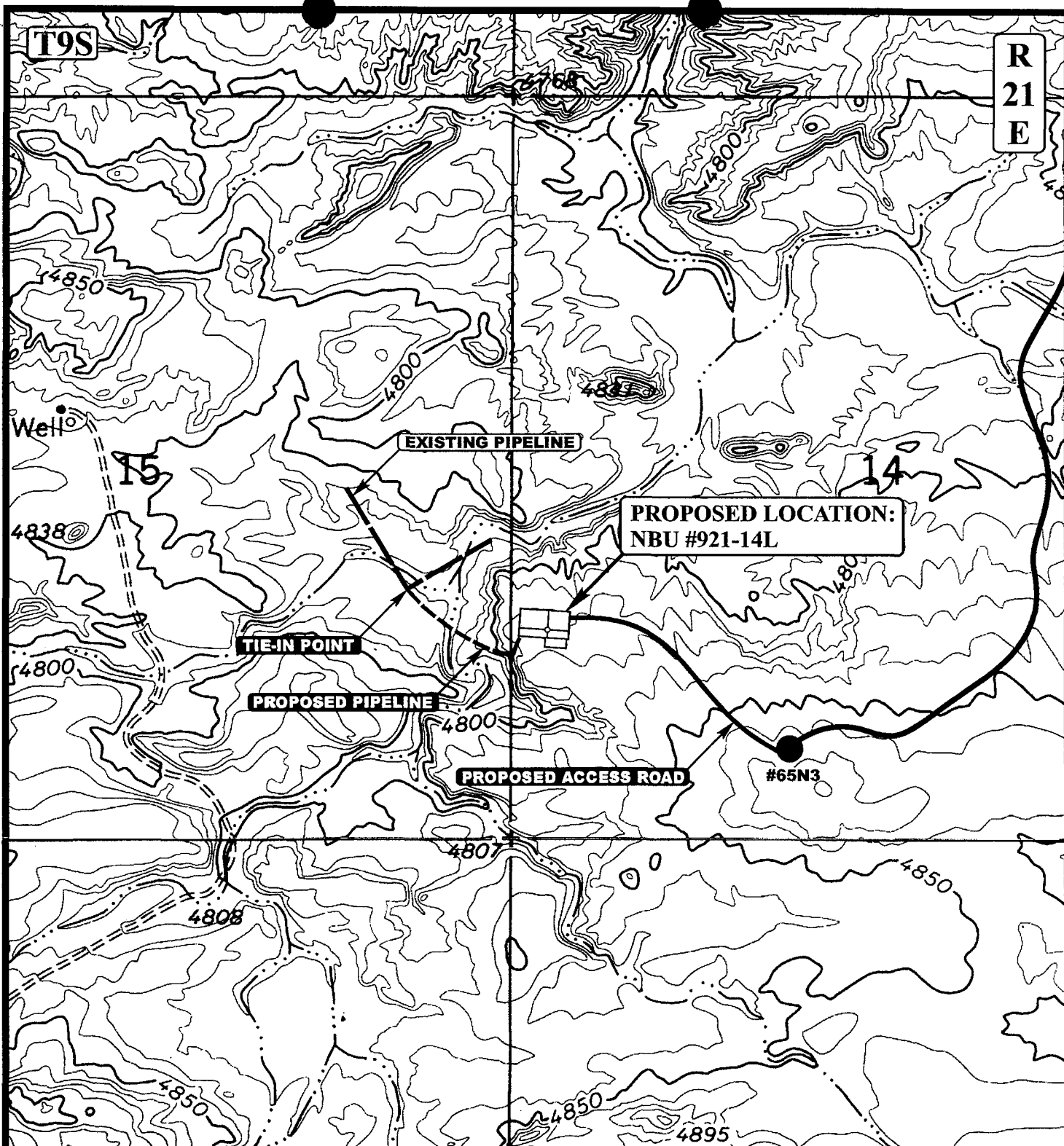


**TOPOGRAPHIC
MAP**

09 22 03
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 12-19-06C.P.

**B
TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 890' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14L

SECTION 14, T9S, R21E, S.L.B.&M.

1489' FSL 258' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

09 22 03
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 12-19-06C.P.

**D
TOPO**

Kerr-McGee Oil & Gas Onshore LP

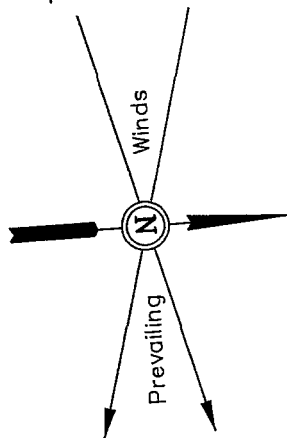
FIGURE #1

LOCATION LAYOUT FOR

NBU #921-14L

SECTION 14, T9S, R21E, S.L.B.&M.

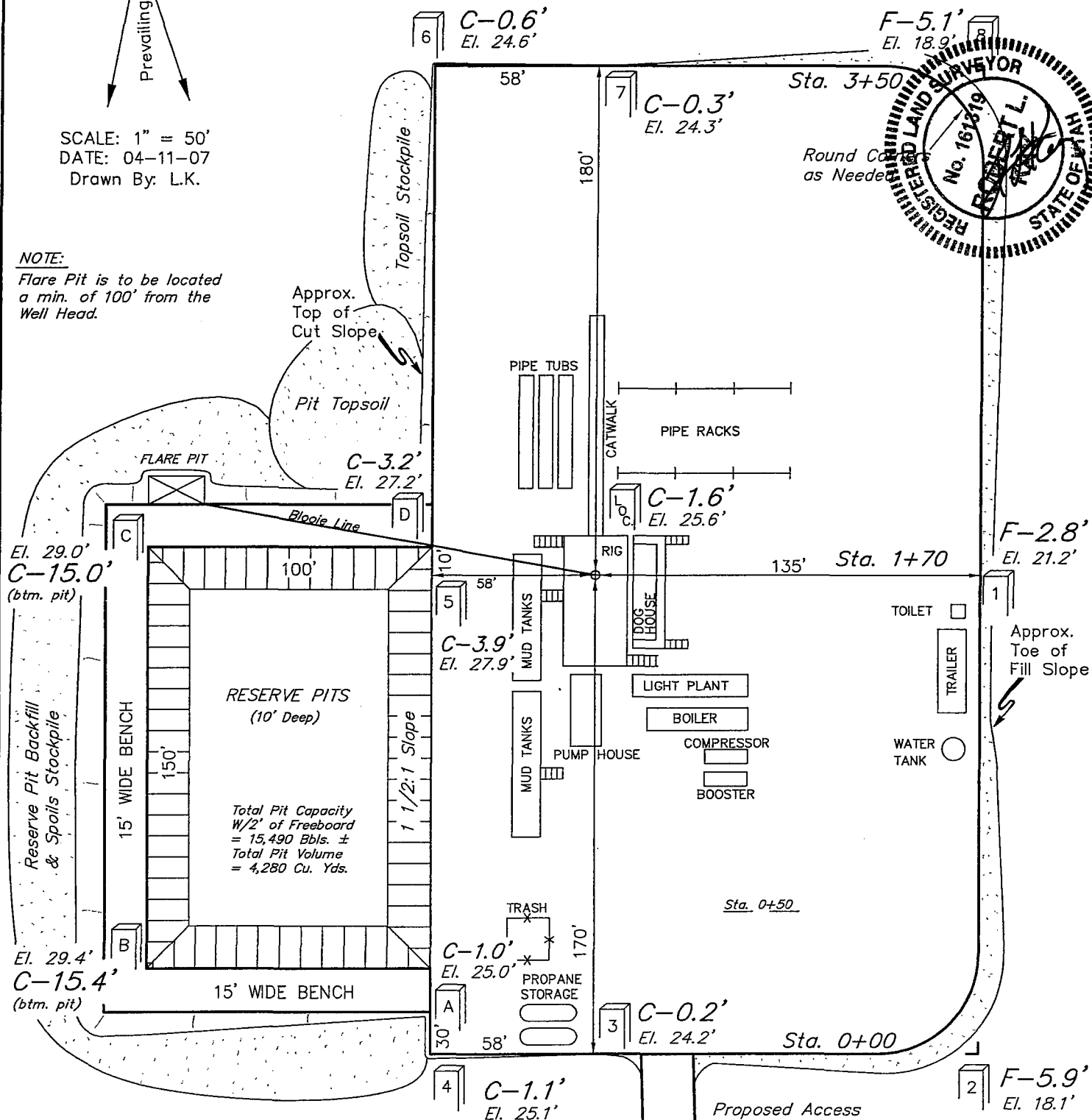
1489' FSL 258' FWL



SCALE: 1" = 50'
DATE: 04-11-07
Drawn By: L.K.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4825.6'

FINISHED GRADE ELEV. AT LOC. STAKE = 4824.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #921-14L

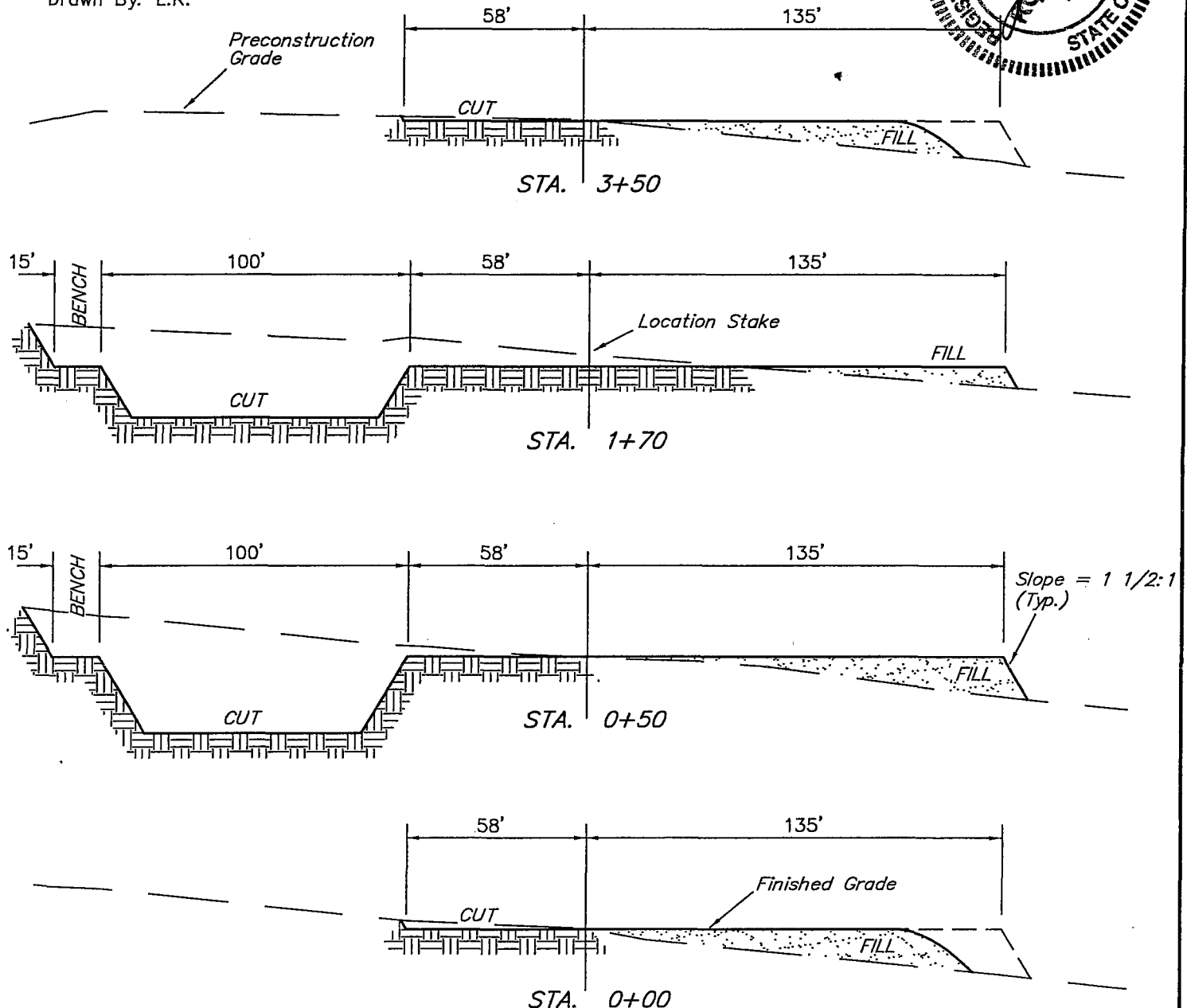
SECTION 14, T9S, R21E, S.L.B.&M.

1489' FSL 258' FWL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 04-11-07

Drawn By: L.K.



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 3,610 Cu. Yds.
Remaining Location = 7,320 Cu. Yds.

TOTAL CUT = 10,930 CU.YDS.
FILL = 5,180 CU.YDS.

NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

EXCESS MATERIAL = 5,750 Cu. Yds.
Topsoil & Pit Backfill = 5,750 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/16/2007

API NO. ASSIGNED: 43-047-39523

WELL NAME: NBU 921-14L

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWSW 14 090S 210E

SURFACE: 1489 FSL 0258 FWL

BOTTOM: 1489 FSL 0258 FWL

COUNTY: UINTAH

LATITUDE: 40.03295 LONGITUDE: -109.5268

UTM SURF EASTINGS: 625698 NORTHINGS: 4432244

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01193

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]

(No. RLB0005239)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit

(No. 43-8496)

☒ RDCC Review (Y/N)

(Date: _____)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit: NATURAL BUTTES

 R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-04

Siting: 460' fr u bedry E. uncomm Tract

 R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 29, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39523	NBU 921-14L Sec 14 T09S R21E 1489 FSL 0258 FWL	
43-047-39524	NBU 1022-14A Sec 14 T10S R22E 1233 FNL 1317 FEL	
43-047-39525	NBU 1021-20H Sec 20 T10S R21E 2186 FNL 0792 FEL	
43-047-39526	NBU 1021-20G Sec 20 T10S R21E 2085 FNL 2264 FEL	
43-047-39527	NBU 1021-20F Sec 20 T10S R21E 2086 FNL 1812 FWL	
43-047-39528	NBU 1021-20E Sec 20 T10S R21E 1848 FNL 0732 FWL	
43-047-39529	NBU 1021-20D Sec 20 T10S R21E 0718 FNL 0861 FWL	
43-047-39530	NBU 1021-20B Sec 20 T10S R21E 1112 FNL 1923 FEL	
43-047-39531	NBU 1021-20O Sec 20 T10S R21E 0604 FSL 1749 FEL	
43-047-39532	NBU 1021-20L Sec 20 T10S R21E 2170 FSL 0943 FWL	
43-047-39533	NBU 1021-20K Sec 20 T10S R21E 1868 FSL 1552 FWL	
43-047-39534	NBU 1021-20J Sec 20 T10S R21E 1618 FSL 2195 FEL	

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:8-29-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

October 15, 2008

Kerr McGee Oil and Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: NBU 921-14L Well, 1489' FSL, 258' FWL, NW SW, Sec. 14, T. 9 South, R. 21 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39523.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr McGee Oil and Gas Onshore LP

Well Name & Number NBU 921-14L

API Number: 43-047-39523

Lease: UTU-01193

Location: NW SW **Sec.** 14 **T.** 9 South **R.** 21 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED
VERNAL FIELD OFFICE

2007 AUG 16 PM 4:05

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

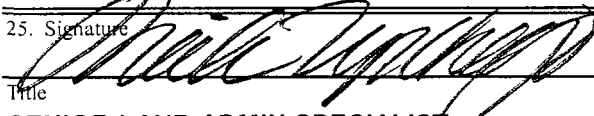
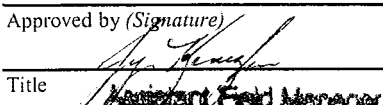
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01193
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 921-14L
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1489'FSL, 258'FWL At proposed prod. Zone		9. API Well No. 43-047-39523
14. Distance in miles and direction from nearest town or post office* 21.3 +/- MILES FROM OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 258'	16. No. of Acres in lease 1920.00	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 14, T9S, R21E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	17. Spacing Unit dedicated to this well 40.00	12. County or Parish UINTAH
19. Proposed Depth 10,070'	20. BLM/BIA Bond No. on file RLB0005239	13. State UTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4826'GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 8/8/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) J. K. KENNA	Date DEC 24 2008
Title Assistant Field Manager	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

FEB 04 2009

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

NO NOS

07MIC00049A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP
Well No: NBU 921-14L
API No: 43-047-39523

Location: NWSW, Sec. 14, T9S, R21E
Lease No: UTU-01193
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	- The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- NONE

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 921-14L

Api No: 43-047-39523 Lease Type: FEDERAL

Section 14 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 09/01/2009

Time 12:00 NOON

How DRY

Drilling will Commence: _____

Reported by JAMES GOBER

Telephone # (435) 828-7024

Date 09/01/2009 Signed CHD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1489 FSL 0258 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047395230000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/1/2009	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 09/01/2009 AT 12:00 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 02, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/1/2009	

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739523	NBU 921-14L		NWSW	14	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	9/1/2009			9/21/09	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 09/01/2009 AT 12:00 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

ANDY LYTLE

Name (Please Print)

Signature [Signature]
REGULATORY ANALYST

Title

9/1/2009

Date

RECEIVED

SEP 02 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1489 FSL 0258 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047395230000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/3/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PROPETRO AIR RIG ON 09/02/2009. DRILLED 12-1/4" SURFACE HOLE TO 2540'. RAN 9-5/8" 36# J-55 SURFACE CSG. CMT W/ 230 SX CLASS G PREM LITE @ 11.0 PPG, 3.82 YIELD. TAILED CMT W/ 200 SX CLASS G 50/50 POZ MIX @ 15.8 PPG, 1.15 YIELD. DISPLACE W/ 190 BBLS WATER, BUM PLUG, FLOAT HELD. TOP OUT W/ 300 SX CLASS G 50/50 POZ MIX @ 15.8 PPG, 1.15 YIELD. STAYED FULL. WORT.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 03, 2009 </div>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/3/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1489 FSL 0258 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047395230000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/17/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
FINISHED DRILLING FROM 2,540' TO 10,115' ON 09/15/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS FRESH WATER @ 8.3 PPG. Accepted by the LEAD CMT W/562 SX CLASS G PREM LITE @ 11.7 PPG, 2.5 YIELD. TAILED Utah Division of CMT W/1335 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. FLUSHED Oil, Gas and Mining LINES & DROP PLUG, DISPLACE W/156 BBLS WATER W/CLAYTREAT, FOR RECORD ONLY MAGNACIDE & CORR INHIBITER. BUMPED PLUG W/3500 PSI & PLUG HELD. September 17, 2009 ORIGINAL PUMPING PSI 2858, 642 OVER PSI, 2.0 BBLS BLEED OFF, 100% RETURNS W/WATER & CELLOFLAKE BACK TO SURFACE. CLEAN MUD PITS. RELEASE PIONEER RIG 69 ON 09/17/2009 AT 00:00 HRS.		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/17/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1489 FSL 0258 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047395230000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/21/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 11/21/2009 AT 11:45 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 23, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/23/2009	

U.S. PETROLEUM RESEARCH Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 5/5/2008		End Date: 9/17/2009	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)			UWI: NBU 921-14L		

Date	Time Start-End	Duration (hr)	Phase	Code	Sup Code	P/U	MD From (ft)	Operation
9/1/2009	21:30 - 0:00	2.50	MIRU	01	B	P		MIRU, INSTALL AIR BOWL, INSTALL BOWIE LINE, MAKE DITCH, RIG UP AIR COMPRESSOR AND BOOSTERS.
9/2/2009	0:00 - 1:00	1.00	MIRU	01	B	P		RIG UP RIG.
	1:00 - 2:00	1.00	DRLSUR	02	A	P		AIR SPUD 9/02/2009 01:00 AIR HAMMER 44' TO 120'.
	2:00 - 3:00	1.00	DRLSUR	06	A	P		LD AIR HAMMER P/U 8" MUD MOTOR, HC507Z SN 7014966. 7-18'S. P/U 2-8" DRILL COLLARS. INSTALL AIR BOWL RUBBER.
	3:00 - 7:30	4.50	DRLSUR	02	B	P		DRILL 120'-530' (410', 91'/HR) WOB 15, RPM 45, DH RPM 94, ON/OFF PSI= 1400/ 1100. UP/DOWN/ROT 52/50/52
	7:30 - 8:00	0.50	DRLSUR	10	A	P		WIRELINE SURVEY TOOL= 460'= .25 DEG.
	8:00 - 13:00	5.00	DRLSUR	02	B	P		DRILL 530'-1010
	13:00 - 13:30	0.50	DRLSUR	10	A	P		SURVEY@930=.50
	13:30 - 17:00	3.50	DRLSUR	02	B	P		DRILL F/1010 TO 1520'
	17:00 - 17:30	0.50	DRLSUR	10	A	P		SURVEY@1430=.75
	17:30 - 0:00	6.50	DRLSUR	02	B	P		DRILL F/1520' TO 1980
9/3/2009	0:00 - 6:30	6.50	DRLSUR	02	B	P		DA F/1980 TO 2540' TD,,CIRC RES PIT NO AIR
	6:30 - 7:30	1.00	DRLSUR	05	C	P		CIRC & SURVEY @2450'=1.50
	7:30 - 10:30	3.00	DRLSUR	06	A	P		LDDP & BHA F/INSPECTION
	10:30 - 13:30	3.00	CSG	12	C	P		RUN 57 JTS #36 J55,9.625 CSG TO 2512'
	13:30 - 14:00	0.50	RDMO	01	E	P		HANG 1" F/TOPOUT,RDRT,RELEASE RIG 9/3/09 14:00
9/8/2009	4:00 - 7:00	3.00	DRLPRO	01	E	P		RDRT TO MOVE TO NBU 921-14L
	7:00 - 12:30	5.50	DRLPRO	01	A	P		HPJSM W/ RIG CREWS, WESTROC TRUCKING, J&C CRANE,MOVE RIG 7 MILES TO NBU 921-14L, 15 RIG HANDS, TRUCKS ON LOC @ 07:00, RELEASED @ 12:30, 5-BED, 7 HAUL, 2-FORKLIFTS, 5-SWAMPERS, CRANE ON LOC @ 08:30, RELEASED @ 12:00 - 1 CRANE
	12:30 - 15:00	2.50	DRLPRO	01	B	P		RURT
	15:00 - 18:00	3.00	DRLPRO	14	A	P		N/U BOPE
9/9/2009	18:00 - 23:00	5.00	DRLPRO	15	A	P		TEST BOPE, RAMS & ALL VALVES 250 LOW-5000 HIGH, ANN 250-2500, CASING 1500 F/ 30 MINS
	23:00 - 0:00	1.00	DRLPRO	06	A	P		HPJSM W/ RIG & P/U CREW, R/U & P/U BHA & P/U BHA & 60 JTS D/P
	0:00 - 1:30	1.50	DRLPRO	06	A	P		CUT & SLIP 150' DLRG LINE
	1:30 - 2:30	1.00	DRLPRO	09	A	P		INSTALL ROT RUBBER, PRESPUD INSPECTION
	2:30 - 3:30	1.00	DRLPRO	23		P		DRLG CEMENT & F/E, SPUD WELL @ 04:30 9/9/09
	3:30 - 4:30	1.00	DRLPRO	02	F	P		DRLG F/ 2554 TO 2656', 102' @ 68' PH,CIRC RESERVE PIT,MW8.4,VIS 26, WOB 16-18, RPM 60, MM 98, SPM 125, GPM 473, P/U S/O ROT, 80/60/70, ON/OFF 1100-900,DIFF 150-250
	4:30 - 6:00	1.50	DRLPRO	02	B	P		SURVEY @ 2614 - 1.05 DEG
	6:00 - 6:30	0.50	DRLPRO	10	A	P		DRLG F/ 2656 TO 3129
	6:30 - 10:30	4.00	DRLPRO	02	B	P		SURVEY @ 3087 2.25 DEG
	10:30 - 11:00	0.50	DRLPRO	10	A	P		DRLG F/ 3129 TO 3382'
	11:00 - 13:30	2.50	DRLPRO	02	B	P		SERVICE RIG
	13:30 - 14:00	0.50	DRLPRO	07	A	P		DRLG F/ 3382 TO 3635'
	14:00 - 18:00	4.00	DRLPRO	02	A	P		SURVEY @ 3558 2.88 DEG
	18:00 - 18:30	0.50	DRLPRO	10	A	P		

OPERATION SUMMARY REPORT

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 5/5/2008		End Date: 9/17/2009	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)		UWI: NBU 921-14L			

Date	Time Start-End	Duration (hr)	Phase	Cost	Log Code	P/U	MD From (ft)	Operation
	18:30 - 21:00	2.50	DRLPRO	02	B	P		DRLG F/ 3635 TO 4141'
	21:00 - 21:30	0.50	DRLPRO	10	A	P		SURVEY @ 4064' 2.81 DEG
	21:30 - 0:00	2.50	DRLPRO	02	B	P		DRLG F/ 4141 TO 4426' 285' @ 114' PH, MW 8.5, VIS 26, CIRC RESERVE PIT, GEL SWEEPS & POLY, WOB 18, RPM 60, MM 98, SPM 125, GPM 473, P/U S/O ROT 116-109-112, ON/OFF 1400-1225, DIFF 150-300
9/10/2009	0:00 - 1:30	1.50	DRLPRO	02	B	P		DRLG F/ 4426 TO 4648'
	1:30 - 2:00	0.50	DRLPRO	10	A	P		SURVEY @ 2571', 2.86 DEG
	2:00 - 6:00	4.00	DRLPRO	02	B	P		DRLG F/ 4648 TO 5151
	6:00 - 6:30	0.50	DRLPRO	10	A	P		SURVEY @ 5112' 2.77 DEG
	6:30 - 11:00	4.50	DRLPRO	02	B	P		DRLG F/ 5151 TO 5691
	11:00 - 11:30	0.50	DRLPRO	10	A	P		SURVEY @ 5650' 2.88 DEG
	11:30 - 13:30	2.00	DRLPRO	02	B	P		DRLG F/ 5691 TO 5882
	13:30 - 14:00	0.50	DRLPRO	07	A	P		RIG SER.
	14:00 - 16:00	2.00	DRLPRO	02	B	P		DRLG F/ 5882 TO 6072
	16:00 - 16:30	0.50	DRLPRO	05	A	P		LOST CIRC. @ 6072 PUMPED LCM SWEEP GOT CIRC BACK
9/11/2009	16:30 - 18:00	1.50	DRLPRO	02	B	P		DRLG F/ 6072 TO 6200
	18:00 - 18:30	0.50	DRLPRO	10	A	P		SURVEY @ 6121' 2.24 DEG
	18:30 - 0:00	5.50	DRLPRO	02	B	P		DRLG F/ 6200 TO 6627
	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRLG F/ 6662 TO 6704
	0:30 - 1:00	0.50	DRLPRO	10	A	P		SURVEY @ 6627 2.34 DEG
	1:00 - 12:30	11.50	DRLPRO	02	B	P		DRLG F/ 6704 TO 7305
	12:30 - 13:00	0.50	DRLPRO	10	A	P		SURVEY @ 7263 2.99 DEG
	13:00 - 14:00	1.00	DRLPRO	02	B	P		DRLG F/ 7305 TO 7369
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SER
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 7369 TO 7812
9/12/2009	0:00 - 11:30	11.50	DRLPRO	02	B	P		DRLG F/ 7812 TO 8286 474' 41.21' PER HR.
	11:30 - 12:00	0.50	DRLPRO	10	A	P		SURVEY @ 8244 2.69 DEG
	12:00 - 13:30	1.50	DRLPRO	02	B	P		DRLG F/ 8286 TO 8349
	13:30 - 14:00	0.50	DRLPRO	07	A	P		RIG SER.
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRLG F/ 8349 TO 8735
9/13/2009	0:00 - 2:00	2.00	DRLPRO	02	B	P		DRLG F/ 8735 TO 8791
	2:00 - 3:00	1.00	DRLPRO	10	A	P		SURVEY @ 8741 3.07 DEG (CIRC 15 MIN)
	3:00 - 15:00	12.00	DRLPRO	02	B	P		DRLG F/ 8791 TO 9107'
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SER.
	15:30 - 20:00	4.50	DRLPRO	02	B	P		DRLG F/ 9170 TO 9207'
	20:00 - 20:30	0.50	DRLPRO	05	A	P		CIRC BUILD SLUG
	20:30 - 0:00	3.50	DRLPRO	06	A	P		TOH FOR BIT # 1
9/14/2009	0:00 - 2:00	2.00	DRLPRO	06	A	P		P/U BIT # 2 TIH
	2:00 - 3:00	1.00	DRLPRO	03	E	X		TAGED BRIDGE @ 4830 WASH & REAM 60'
	3:00 - 4:00	1.00	DRLPRO	06	A	P		TIH W / BIT # 2
	4:00 - 5:00	1.00	DRLPRO	03	E	P		WASH & REAM 60' TO BOTTOM HAD 10' FILL
	5:00 - 14:00	9.00	DRLPRO	02	B	P		DRLG F/ 9207 TO 9582
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SER.
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG. F/ 9582 TO 9855'
9/15/2009	0:00 - 9:30	9.50	DRLPRO	02	B	P		DRLG F/ 9855 TO 10115' TD
	9:30 - 10:30	1.00	DRLPRO	05	A	P		CIRC COND F/ SHORT TRIP 10 STD.
	10:30 - 11:30	1.00	DRLPRO	06	E	P		SHORT TRIP 10 STD.

RECEIVED November 23, 2009

Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L			Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 5/5/2008		End Date: 9/17/2009	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)			UWI: NBU 921-14L		

Date	Time Start-End	Duration (H)	Phase	Code	Sub Code	R/U	MD From (ft)	Operation
9/16/2009	11:30 - 12:30	1.00	DRLPRO	05	A	P		CIRC. TO L/D 4.5 DP
	12:30 - 20:00	7.50	DRLPRO	06	A	P		L/D 4.5 DP, BHA,BREAK KELLY
	20:00 - 20:30	0.50	DRLPRO	06	A	P		PULL WEAR BUSHING
	20:30 - 0:00	3.50	DRLPRO	11	D	P		RIG LOGGER, HELD SAFTY MEETING, LOGING, LOG STOPED @ 6028' LOG OUT F/ 6028
	0:00 - 3:30	3.50	DRLPRO	11	D	P		LOGING LOG STOPED @ 6028' LOGED OUT, R/D LOGGER
	3:30 - 13:30	10.00	DRLPRO	12	A	P		R/U CASING CREW HELD SAFTY MEETING RUNING 4. 5 CASING FILLING PIPE FOR 3 TIME @ 5317 126 JTS. IN TRY TO PLUG OFF WORKED PIPE BROKE CIRC TAGED BRIDGE @ 6,054' SWEDGE UP & WASH CSG F/ 6054' TO 6066' TIH W/ CSG TIGHT F/ 6066' TO 6254' CENTRALIZERS HANGING UP. TIH W/ CSG TO 10013' SWEDGE UP & ATTEMPT TO WASH CSG TO BOTTOM. NO FOOTAGE MADE. LD DOWN JT # 240-239 MAKE UP MANDREL & HANG JOINT,INSTALL ROTATING HEAD.
	13:30 - 15:00	1.50	DRLPRO	05	D	P		HOOK UP CIRC SWEDGE & CIRC OUT GAS W/ RIG PUMP. BOTTOMS UP GAS 8145 UNITS 25' FLARE. WAIT ON ORDERS.
	15:00 - 15:30	0.50	DRLPRO	12	C	P		PICK UP JT 239 & 20' FT PUP JT & RUN IN HOLE TO 10030.81' SHOE DEPTH 10029.81' FLOAT DEPTH 9987.46'
	15:30 - 16:30	1.00	DRLPRO	05	D	P		HOOK UP CIRC SWEDGE & CIRC W/ RIG PUMP. RIG DOWN KIMZEY CSG CREW.
	16:30 - 19:00	2.50	DRLPRO	12	E	P		HELD SAFETY MEETING. RIG UP BJ HEAD & PSI TEST LINES TO 4000 PSI. PUMP 40 BBLS FRESH WATER @ 8.3 PPG. PUMP LEAD 250.42 BBLS, 562 SCKS PREMIUM LITE 11 CEMENT @ 11.7 PPG,2.50cf/SACK YIELD. PUMP TAIL 311.37 BBLS, 1335 SCKS 50:50:2 POZ MIX CEMENT @ 14.3 PPG, 1.31 cf/SACK YIELD. FLUSH LINES & DROP PLUG, DISPLACE W. 156 BBLS WATER W/ CLAYTREAT,1 GL MAGNACIDE & CORR INHIBITER. BUMPED PLUG W/ 3500 PSI & PLUG HELD. ORIGINAL PUMPING PSI 2858, 642 OVER PSI, 2.0 BBLS BLEED OFF, 100% RETURNS W/ WATER & CELLOFLAKE BACK TO SURFACE.TOP OF TAIL 4500'
	19:00 - 21:00	2.00	DRLPRO	14	A	P		NIPPLE DOWN BOP, RAISE STACK & SET CAMERON CSG SLIPS
	21:00 - 0:00	3.00	DRLPRO	14	A	P		NIPPLE DOWN BOP,CLEAN MUD PITS RELEASE RIG @ 0000 09/17/2009

RECEIVED November 23, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009	Spud Date: 9/2/2009
Project: UTAH-UINTAH	Site: NBU 921-14L		Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 11/12/2009	End Date:	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)		UWI: NBU 921-14L	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	PU	MD From (ft)	Operation
9/2/2009	-							
11/14/2009	7:00 - 7:15	0.25		48				JSA MOVING SAFELY
	7:15 - 7:15	0.00	COMP	30		P		MOVE RIG & EQUIP FROM NBU 920-14L TO NBU 921-14L SPOT RIG & EQUIP RU RIG PU 140 JNTS OF L-80 TUBING POOH ND BOPS NU FRAC VALVE TEST TO 7500 PSI ND TESTERS RU CASD HOLE SOL RIH SHOOT FIRST STAGE
								STAGE #1] PU RIH W/ PERF GUNS, PERF MESA VERDE W/ 3-3/8" EXPEND SCALOPS, 23 GRM, 0.36" HOLE 9970'-9974' 3 SPF, 120* PH, 12 HOLES 9940'-9942' 4 SPF, 90* PH, 8 HOLES 9902'-9906 3 SPF, 120* PH, 12 HOLES 9858'-9860' 4 SPF, 90* PH, 8 HOLES POOH W/ W/L SWIFW PREP TO FRAC ON MON.
11/16/2009	7:00 - 7:15	0.25		48				HOUSE KEEPING

RECEIVED November 23, 2009

OPERATION SUMMARY REPORT

Well: NBU 921-14L		Spud Conductor: 9/1/2009	Spud Date: 9/2/2009
Project: UTAH-UINTAH	Site: NBU 921-14L		Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 11/12/2009	End Date:	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)		UWI: NBU 921-14L	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 19:00	11.75	COMP	30		P		178MIRU FRAC TECH FRAC STAGE #1MESA VERDE 9858'-9974' 40 HOLES STAGE #1]WHP=1100 #, BREAK DWN PERFS @ 4911#, INJ RT 50 , INJ PSI 5660 #, ISIP=2721 #, FG=0.71 , PUMPED 944 BBLS SLICK WTR W/ 20387 # 30/50 MESH, W/ 5000# RESIN COAT IN TAIL,MP= 6800#, MR= 50.4, AP= 5195#, AR= 49.5, FG= 0.73, ISIP=2992 #, NPI=271 #, W/ 34/40 CALC PERFS OPEN 85% STAGE #2] P/U RIH W/ HALLI 8K CBP & PERF GUN. SET CBP @9762 , PERF MESA VERDE USING 3-3/8" EXPEND SCALLOPS, 23 GRM, 0.36" HOLE. 9728'-9732' 4 SPF, 90* PH, 16 HOLES 9700'-9702' 4 SPF, 90* PH, 8 HOLES 9624'-9628' 4 SPF, 90* PH, 16 HOLES WHP= 830#, BREAK DWN PERFS @ 4322#, INJ RT46 , INJ PSI 6100 #, ISIP=3045 #, FG=0.75 , PUMPED 859 BBLS SLICK WTR W/ 23482 # 30/50 MESH, W/ 5000# RESIN COAT IN TAIL,MP= 6714#, MR=50.2 , AP= 5490#, AR=47 , FG=0.75 , ISIP=3045 #, NPI=0 #, W/ 25/40 CALC PERFS OPEN 63% STAGE #3] P/U RIH W/ HALLI 8K CBP & PERF GUN. SET CBP @9481' , PERF MESA VERDE USING 3-3/8" EXPEND SCALLOPS, 23 GRM, 0.36" HOLE. 9440'-9444' 3 SPF, 120* PH, 12 HOLES 9390'-9392' 4 SPF, 90* PH, 8 HOLES 9366'-9368' 4 SPF, 90* PH, 8 HOLES 9320'-9322' 3 SPF, 120* PH 6 HOLES 9174'-9176' 3 SPF, 120* PH, 6 HOLES WHP= 1149#, BREAK DWN PERFS @4334 #, INJ RT47 , INJ PSI 5800#, ISIP= 2497#, FG= 0.70 , PUMPED 2219 BBLS SLICK WTR W/ 82538 # 30/50 MESH, W/ 5000# RESIN COAT IN TAIL,MP=6667 #, MR= 51.7, AP= 5342#, AR= 49.3, FG= 0.75, ISIP= 2927#, NPI=430 #, W/ 25/40 CALC PERFS OPEN 65% STAGE #4] P/U RIH W/ HALLI 8K CBP & PERF GUN. SET CBP @ 9100', PERF MESA VERDE USING 3-3/8" EXPEND SCALLOPS, 23 GRM, 0.36" HOLE. 9092'-9064' 4 SPF, 90* PH, 8 HOLES 9010'-9012' 4 SPF, 90* PH, 8 HOLES 8956'-8958' 3 SPF, 120* PH, 6 HOLES 8892'- 8896' 3 SPF, 120* PH, 12 HOLES 8822'-8824' 3 SPF, 120* PH, 6 HOLES WHP=1789 #, BREAK DWN PERFS @5206 #, INJ RT48 , INJ PSI 5800#, ISIP=2656 #, FG= 0.73 , PUMPED 1504 BBLS SLICK WTR W/ 52187 # 30/50 MESH, W/ 5000# RESIN COAT IN TAIL,MP=6702 #, MR=53 , AP=6042 #, AR=51.2 , FG= 0.76, ISIP= 2956#, NPI= 300#, W/ 25/40 CALC PERFS OPEN 63%

RECEIVED November 23, 2009

US ROCKIES REGION Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L			Rig Name No: LEED 698/698
Event: COMPLETION		Start Date: 11/12/2009		End Date:	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)			UWI: NBU 921-14L		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/17/2009	7:00 - 7:15	0.25		48				SDFN
	7:15 - 19:00	11.75	COMP	30		P		JSA STAGE #5] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 8776' PERF MESA VERDE USING 3-3/8" EXPEND SCALLOPS, 23 GRAM, 0.36" HOLE. 8744'-8746' 4 SPF, 90* PH, 8 HOLES 8688'-8692' 3 SPF, 120* PH, 12 HOLES 8626'-8628' 4 SPF, 90* PH, 8 HOLES 8554'-8556 3 SPF, 120* PH, 6 HOLES 8508'-8510' 3 SPF, 120* PH, 6 HOLES WHP= 1024#, BRK DN PERFS @ 4187#, INJ RT 50 , INJ PSI 5900#, ISIP2238 #, FG 0.69, PUMPED 2050 BBLS SLK WTRW/ 75242 #30/50 MESH, W/ 5000# RESIN COAT IN TAIL, MP=6355 #, MR 51, AP 6042#, AR50.5 #, FG 0.77 , ISIP 2945#, NPI 707#, W/ 23/40 CALC PERFS OPEN 58% STAGE #6] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 8357' PERF MESA VERDE USING 3-3/8" EXPEND SCALLOPS, 23 GRAM, 0.36" HOLE. 8322'-8327' 3 SPF, 120* PH, 15 HOLES 8264'-8266' 3 SPF, 120* PH, 6 HOLES 8168'-8172' 3 SPF, 120* PH, 12 HOLES 8112'-8114' 3 SPF, 120* PH, 6 HOLES WHP=253 #, BRK DN PERFS @6872 #, INJ RT 46, INJ PSI 6475 #, ISIP 3559#, FG 0.76, PUMPED 1980 BBLS SLK WTRW/71468 #30/50 MESH, W/ 5000# RESIN COAT IN TAIL, MP= 6509#, MR 51.6, AP5472 #, AR 48.9#, FG 0.71, ISIP 2245 #, NPI #, W/ 24/39 CALC PERFS OPEN61% STAGE #7] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 88036' PERF MESA VERDE USING 3-3/8" EXPEND SCALLOPS, 23 GRAM, 0.36" HOLE. 8004'-8006' 4 SPF, 90* PH, 8 HOLES 7962'-7966' 3 SPF, 120* PH, 12 HOLES 7902'-7910 3 SPF, 120* PH, 24 HOLES WHP=959 #, BRK DN PERFS @ 5023#, INJ RT 51, INJ PSI 5500#, ISIP 2109 #, FG0.70 , PUMPED 2761 BBLS SLK WTRW/137365 #30/50 MESH, W/ 5000# RESIN COAT IN TAIL, MP=6321 #, MR53.5 , AP4716 #, AR 51.6 , FG0.76 , ISIP 2565 #, NPI-456 #, W/ 25/44 CALC PERFS OPEN 57% PU RIH W/ CBP SET @7852' POOH W/ W/L RD W/L & FRAC TECH MO SWIFN JSA
11/18/2009	7:00 - 7:15	0.25		48				

RECEIVED November 23, 2009

OPERATION SUMMARY REPORT

Well: NBU 921-14L Spud Conductor: 9/1/2009 Spud Date: 9/2/2009
 Project: UTAH-UINTAH Site: NBU 921-14L Rig Name No: LEED 698/698
 Event: COMPLETION Start Date: 11/12/2009 End Date:
 Active Datum: RKB @4,844.00ft (above Mean Sea Level) UWI: NBU 921-14L

Date	Time Start-End	Duration (H)	Phase	Code	Sub Code	P/D	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	30		P		0 PSI ON WELL ND FRAC VALVES NU BOPS RU FLOOR & TUB EQUIP PU HURRICANE MILL POBS PKG TIH TAG KILL PLUG RU PWR SWL EST CIRC PLUG #1] DRILL THRU HALLI 8K CBP @ 7852' IN 8 MIN W/ 200# INCREASE PLUG #2] CONTINUE TO RIH TAG SAND @ 8006'(30'FILL) C/O & DRILL THRU HALLI 8K CBP 8036" IN 7 MIN W/200# INCREASE PLUG #3] CONTINUE TO RIH TAG SAND @ 8322' (35' FILL) C/O & DRILL THRU HALLI 8K CBP 8357' IN 8 MIN W/ 50# INCREASE PLUG #4] CONTINUE TO RIH TAG SAND @ 8756' (40' FILL) C/O & DRILL THRU HALLI 8K CBP @ 8796' IN 7 MIN W/ 50# INCREASE PLUG #5] CONTINUE TO RIH TAG SAND @ 9055' (45' FILL) C/O & DRILL THRU HALLI 8K CBP @ 9100' IN 10 MIN W/ 50# INCREASE PLUG #6] CONTINUE TO RIH TAG SAND @ 9441' (40' FILL) C/O & DRILL THRU HALLI 8K CBP @ 9481' IN 8 MIN W/ 75 # INCREASE PLUG #7] CONTINUE TO RIH TAG SAND @ 9732' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 9762' IN 8 MIN W/ 50# INCREASE CONTINUE TO RIH TAG PBD @ 9985 NO FILL POOH LD 13 JNTS LAND TUB ON HANGER EOT @ 9595.18' RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD PUMP OFF BIT SUB @ 3100# TURN WELL OVER TO FBC PUMPED= 12317 BBLS RIG REC= 2850 BBLS 9467 BBLS LEFT TO REC KB= 18.0 HANGER 1.0 302 JNTS L-80 2-3/8" 9573.98 POBS 2.20 EOT= 9595.18 7 AM FLBK REPORT: CP 1500#, TP 1750#, 20/64" CK, 44 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 2850 BBLS LEFT TO RECOVER: 9467 7 AM FLBK REPORT: CP 1400#, TP 2000#, 20/64" CK, 39 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 3842 BBLS LEFT TO RECOVER: 8475 11/19/2009 7:00 - 33 A 11/20/2009 7:00 - 33 A 11/21/2009 11:45 - PROD 50 WELL TURNED TO SALE @ 1145 HR ON 11/21/09 - FTP 2025#, CP 1250#, 300 MCFD, 39 BWPD, 20/64 CK 7 AM FLBK REPORT: CP 1200#, TP 1950#, 20/64" CK, 30 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4649 BBLS LEFT TO RECOVER: 7668 11/21/2009 7:00 - 33 A

RECEIVED November 23, 2009

US PRODUCTION
Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L		Rig Name No: LEED 698/698	
Event: COMPLETION		Start Date: 11/12/2009		End Date:	
Active Datum: RKB @4,844.00ft (above Mean Sea Level)		UWI: NBU 921-14L			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1350#, TP 1900#, 20/64" CK, 24 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 5297 BBLs LEFT TO RECOVER: 7020

RECEIVED November 23, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14L			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1489 FSL 0258 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047395230000			
9. FIELD and POOL or WILDCAT: NATURAL BUTTES		COUNTY: UINTAH			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/4/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests authorization to recomplete the subject well. The operator requests approval to recomplete the Wasatch formation and commingle with the existing Mesaverde formation. Please see the attached procedure. Thank you.					
Accepted by the Utah Division of Oil, Gas and Mining Date: January 12, 2012 By: <u>Dark Ount</u>					
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst			
SIGNATURE N/A	DATE 1/4/2012				

Greater Natural Buttes Unit



NBU 921-14L **RE-COMPLETIONS PROCEDURE**

DATE:12/28/11
AFE#:
API#:4304739523
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 921-14L
Location: NW SW Sec 14 T9S R21E
LAT: 40.032917 **LONG:** -109.527522 **COORDINATE:** NAD83 (Surface Location)
Uintah County, UT
Date: 12/28/11

ELEVATIONS: 4826' GL 4844' KB *Frac Registry TVD: 10103*

TOTAL DEPTH: 10115' **PBTD:** 9985'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 2527'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 6896'
 4 1/2", 11.6#, P-110 LT&C @ 6896 - 10031'
 Marker Joint **4804-4818'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1625' Green River Top
 1987' Bird's Nest Top
 2479' Mahogany Top
 5012' Wasatch Top
 7864' Mesaverde Top
 *Based on latest geological interpretation

BOTTOMS:

7864' Wasatch Bottom
 10115' Mesaverde Bottom (TD)

T.O.C. @ 1610' Halliburton CBL - 9/26/2009

**Based on latest interpretation of CBL

GENERAL:

- A minimum of **13** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 9/15/09
- **5** fracturing stages required for coverage.
- Procedure calls for **6** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.

- If casing pressure test fails. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation (specific details on remediation will be provided in post-job-report). Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Tubing Currently Landed @~9595
- Originally completed on 11/16/2009

Existing Perforations:

PERFORATIONS							
Formation	Zone	Top	Btm	spf	Shots	Date	Reason
MESA VERDE		7902	7910	3	24	11/17/2009	PRODUCTION
MESA VERDE		7962	7966	3	12	11/17/2009	PRODUCTION
MESA VERDE		8004	8006	4	8	11/17/2009	PRODUCTION
MESA VERDE		8112	8114	3	6	11/17/2009	PRODUCTION
MESA VERDE		8168	8172	3	12	11/17/2009	PRODUCTION
MESA VERDE		8264	8266	3	6	11/17/2009	PRODUCTION
MESA VERDE		8322	8327	3	15	11/17/2009	PRODUCTION
MESA VERDE		8508	8510	3	6	11/17/2009	PRODUCTION
MESA VERDE		8554	8556	3	6	11/17/2009	PRODUCTION
MESA VERDE		8626	8628	4	8	11/17/2009	PRODUCTION
MESA VERDE		8688	8692	3	12	11/17/2009	PRODUCTION
MESA VERDE		8744	8746	4	8	11/17/2009	PRODUCTION
MESA VERDE		8822	8824	3	6	11/17/2009	PRODUCTION
MESA VERDE		8892	8896	3	12	11/17/2009	PRODUCTION
MESA VERDE		8956	8958	3	6	11/17/2009	PRODUCTION
MESA VERDE		9010	9012	4	8	11/17/2009	PRODUCTION
MESA VERDE		9062	9064	4	8	11/17/2009	PRODUCTION
MESA VERDE		9174	9176	3	6	11/17/2009	PRODUCTION
MESA VERDE		9320	9322	3	6	11/17/2009	PRODUCTION
MESA VERDE		9366	9368	4	8	11/17/2009	PRODUCTION
MESA VERDE		9390	9392	4	8	11/17/2009	PRODUCTION
MESA VERDE		9440	9444	3	12	11/17/2009	PRODUCTION
MESA VERDE		9624	9628	4	16	11/17/2009	PRODUCTION
MESA VERDE		9700	9702	4	8	11/17/2009	PRODUCTION
MESA VERDE		9728	9732	4	16	11/17/2009	PRODUCTION
MESA VERDE		9858	9860	4	8	11/17/2009	PRODUCTION
MESA VERDE		9902	9906	3	12	11/17/2009	PRODUCTION
MESA VERDE		9940	9942	4	8	11/17/2009	PRODUCTION
MESA VERDE		9970	9974	3	12	11/17/2009	PRODUCTION

Relevant History:**11/16/2009** – Original completion

05/06/2011 – Could not get plunger up with well. Ran with scratch to SN, pulled Pace Maker Plunger. Ran w/Down shear Fish Tool to SN, latched on to Ball and Spring, pulled ball and Titanium Spring W/single X-cups. Cups good. Light scale on spring. Ran with sample baler to TD, pulled sample. Dropped Same Titanium spring w/single X-

cups, chased with 1.910 Broach to SN, set spring. Dropped same Ball and same Pace Maker Plunger. Returned well to production. Rigged down.

H2S History:

Production Date ▲	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
11/30/2009	664.27	12.93	16.40	44.16	
12/31/2009	1329.42	95.68	29.03	93.81	
1/31/2010	936.39	84.65	17.03	108.58	0.00
2/28/2010	746.11	60.32	12.57	97.70	
3/31/2010	649.68	49.48	9.32	90.52	1.00
4/30/2010	587.43	46.83	8.17	93.63	1.00
5/31/2010	520.81	37.52	6.58	84.67	
6/30/2010	481.37	35.00	6.37	85.94	
7/31/2010	439.68	25.90	4.52	69.19	
8/31/2010	400.29	23.74	7.87	78.97	
9/30/2010	375.17	23.23	5.70	77.12	
10/31/2010	359.84	23.77	4.71	79.16	
11/30/2010	336.17	23.97	4.33	84.18	
12/31/2010	326.87	20.42	4.42	75.99	
1/31/2011	310.65	18.94	4.87	76.64	
2/28/2011	302.46	19.21	5.89	83.01	
3/31/2011	288.55	17.10	3.81	72.44	
4/30/2011	276.37	21.50	5.67	98.30	
5/31/2011	251.90	17.71	1.26	75.30	0.00
6/30/2011	303.07	26.20	3.03	96.46	
7/31/2011	254.48	19.81	3.26	90.63	
8/31/2011	271.39	17.77	2.39	74.29	
9/30/2011	262.87	17.63	1.73	73.67	
10/31/2011	250.74	17.65	2.23	79.25	
11/30/2011	249.33	18.13	2.20	81.55	

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9595'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7918 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7918 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7868'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes; if pressure test fails contact Denver engineer and see notes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will

be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7546	7547	3	3
WASATCH	7584	7586	3	6
WASATCH	7621	7623	3	6
WASATCH	7748	7749	3	3
WASATCH	7816	7818	3	6

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7546' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~7,480'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7260	7262	3	6
WASATCH	7282	7284	3	6
WASATCH	7410	7412	3	6
WASATCH	7428	7430	3	6

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7260' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~7,198'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6992	6993	3	3
WASATCH	6999	7000	3	3
WASATCH	7084	7086	3	6
WASATCH	7110	7112	3	6
WASATCH	7146	7148	3	6

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6992' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~5,992'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5760	5764	3	12
WASATCH	5939	5942	3	9

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5760' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~5,562'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5504	5512	3	24

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5504' and flush only with recycled water.

15. Set 8000 psi CBP at~5,454'.
16. ND Frac Valves, NU and Test BOPs.
17. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
18. Mill 5 plugs and clean out to a depth of 7830'. Depending on wells performance (contact Denver Engineer) either continue with step 19 or 20.
19. Land tubing at 7515', drop ball and pump open sub. Flow back completion load. RDMO
20. MIRU, POOH tbg and mill. TIH with POBS and mill.
21. Mill last plug @ 7868' clean out to PBTD at 9985'. Land tubing at $\pm 9595'$ pump off bit and bit sub. This well WILL be commingled at this time.
22. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
23. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)**

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

Zachary Garrity: 406-781-6427, 720-929-6180

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Jordan Portillo: 435/781-9785, 435/828-6221

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Name NBU 921-14L - Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7546	7547	3	3		7529	to	7552
	WASATCH	7584	7586	3	6		7555	to	7559
	WASATCH	7621	7623	3	6		7566.5	to	7595
	WASATCH	7748	7749	3	3		7604	to	7631
	WASATCH	7816	7818	3	6		7745	to	7750.5
	# of Perfs/stage				24		CBP DEPTH	7,480	
2	WASATCH	7260	7262	3	6		7255	to	7265
	WASATCH	7282	7284	3	6		7267	to	7269.5
	WASATCH	7410	7412	3	6		7275	to	7292
	WASATCH	7428	7430	3	6		7407.5	to	7422
	# of Perfs/stage				24		CBP DEPTH	7,198	
3	WASATCH	6992	6993	3	3		6987	to	6995.5
	WASATCH	6999	7000	3	3		6997.5	to	7000.5
	WASATCH	7084	7086	3	6		7004.5	to	7012
	WASATCH	7110	7112	3	6		7081.5	to	7088.5
	WASATCH	7146	7148	3	6		7103	to	7115.5
	# of Perfs/stage				24		CBP DEPTH	5,992	
4	WASATCH	5760	5764	3	12		5750	to	5768.5
	WASATCH	5939	5942	3	9		5935	to	5943.5
	# of Perfs/stage				21		CBP DEPTH	5,562	
5	WASATCH	5504	5512	3	24		5491	to	5522.5
	# of Perfs/stage				24		CBP DEPTH	5,454	
Totals					117				

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1489 FSL 0258 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047395230000
PHONE NUMBER: 720 929-6511		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/6/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED THE WASATCH FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH FORMATION ALONG WITH THE EXISTING MESAVARDE FORMATION. THE SUBJECT WELL HAS BEEN PLACED ON PRODUCTION ON 02/06/2012 AT 1500 HRS. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 08, 2012		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 2/7/2012	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr., Other: RECOMPLETION		5. Lease Serial No. UTU01193
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE, L.P.		6. If Indian, Allottee or Tribe Name
3. Address PO BOX 173779 DENVER, CO 80217		7. Unit or CA Agreement Name and No. UTU63047A
3a. Phone No. (include area code) 720-929-6000		8. Lease Name and Well No. NBU 921-14L
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSW 1489 FSL 258 FWL LAT 40.03295 LON 109.52683 At top prod. interval reported below At total depth		9. API Well No. 4304739523
14. Date Spudded 09/01/2009		10. Field and Pool or Exploratory NATURAL BUTTES
15. Date T.D. Reached 09/15/2009		11. Sec., T., R., M., on Block and Survey or Area S14,T9S,R21E
16. Date Completed 02/06/2012 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		12. County or Parish 13. State UINTAH UT
18. Total Depth: MD 10115 TVD 10103		17. Elevations (DF, RKB, RT, GL)* 4826
19. Plug Back T.D.: MD 9987 TVD 9975		
20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2.375	9598								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5504	7818		5504-7818	0.36	117	OPEN
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
5504-7818	PUMP 4,822 BBLs SLICK H2O & 146,475 LBS 30/50 OTTAWA SAND
	5 STAGES

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/6/12	5/23/12	24	→	52	1563	0			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
56/64	256	778	→	52	1563	0		PRODUCING	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

RECEIVED
JUN 26 2012

DIV. OF OIL, GAS & MINING

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1625
				BIRD'S NEST	1987
				MAHOGANY	2479
				WASATCH	5012
				MESAVERDE	7864

32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 5504-7818'; existing perforations: Mesaverde 7902-9974'. Iso plug was drilled out 5/17/12 and zones are fully commingled. Test information is production from commingled zones.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) CARA MAHLER

Title REGULATORY ANALYST

Signature

Date 06/19/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L			Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 2/27/2012		End Date: 2/6/2012	
Active Datum: RKB @4,844.01ft (above Mean Sea Level)			UWI: NBU 921-14L		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/31/2012	13:00 - 17:00	4.00	COMP	30	A	P		MIRU F/ NBU 921-20P1BS, CHECK FOR H2S,PUMP 15 BBLS WTR DWN TBG, ND WH NU BOPS , UNLAND TBG L/D HANGER SWI SDFN. PREP TO SCAN TBG IN AM.
2/1/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ SCAN TECH.
	7:30 - 13:30	6.00	COMP	45	A	P		SICP 300, SITP 300. CONTROL WELL W/ 40 BBLS DWN CSG, 20 BBLS DWN TBG. RU SCANTECH, POOH SCAN TBG.302 TOTAL 32 RED, 270 YELLOW. RD SCAN TECH.
	13:30 - 15:30	2.00	COMP	34	I			RU JW RIH W/ 41/2 GAUGE RING TO 7880', POOH RIH SET HAL 8-K CBP @ 7460', POOH RD JW.
	15:30 - 17:00	1.50	COMP	30	F	P		RDE FLOOR, ND BOPS NU FRAC VALVES, RU FLOOR. SWI SDFN.
2/2/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ CSG TESTER, STAYING AWAY FROM WELL HEAD & LINES.
	7:30 - 9:30	2.00	COMP	33	C	P		RU B&C, TEST CSG TO 1,050 PSI FOR 15 MIN, LOST 138 PSI. TEST TO 3506 PSI FOR 15 MIN, LOST 13 PSI. TEST TO 6262 PSI FOR 30 MIN, LOST 62 PSI. GOOD TEST
	9:30 - 15:00	5.50	COMP	37	B	P		RU JW WIRE LINE, PERF 1ST STG AS OF PROCEDURE. POOH SWI PREP TO FRAC IN AM.
2/3/2012	6:30 - 7:00	0.50	COMP	48		P		HSM W/ SUPERIOR, STAYING AWAY F/ HIGH PRESSURE LINES,
	7:00 - 7:39	0.65	COMP	36	E	P		PRIME PUMPS & LINES, TEST TO 7200 PSI LOST 1400 PSI IN 15 MIN. SET POPOFF @ 6000 PSI. SET KICK OUTS 3 @ 5900 PSI & 3 @ 6000 PSI.
	7:39 - 9:22	1.72	COMP	36	E	P		(STG #1) WHP 417 PSI, BRK 2368 PSI @ 4.8 BPM. ISIP 1070 PSI, FG .58. SPOT ACID ON PERFS LET SOAK FOR 5 MIN. CALC HOLES OPEN @ 39.6 BPM @ 5712 PSI = 60% HOLES OPEN. MP 5887 PSI, MR 51.0 BPM, AP 5344 PSI, AR 46.4 BPM
								ISIP 2686 PSI, FG .79 NPI 1616 PSI.
								(STG #2) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 120 DEG PHASING, SET CBP @ 7460', PERF WELL AS OF PROCEDURE.
								WHP 849 PSI, BRK 3997 PSI @ 4.7 BPM. ISIP 1543 PSI, FG .65.
								CALC HOLES OPEN @ 48.4 BPM @ 5095 PSI = 72% HOLES OPEN.
								MP 5458 PSI, MR 51.2 BPM, AP 4581 PSI, AR 50.4 BPM
								ISIP 2180 PSI, FG .74 NPI 637 PSI.

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L			Rig Name No:
Event: RECOMPL/RESERVEADD		Start Date: 2/27/2012		End Date: 2/6/2012	
Active Datum: RKB @4,844.01ft (above Mean Sea Level)			UWI: NBU 921-14L		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:22 - 11:00	1.63	COMP	36	E	P		(STG # 3) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 120 DEG PHASING, SET CBP @ 7178', PERF WELL AS OF PROCEDURE. WHP 1011 PSI, BRK 3233 PSI @ 4.8 BPM. ISIP 1795 PSI, FG .69. CALC HOLES OPEN @ 43.8 BPM @ 5413 PSI = 62% HOLES OPEN. MP 5586 PSI, MR 51.1 BPM, AP 4591 PSI, AR 45.9 BPM ISIP 2000 PSI, FG .72 NPI 205 PSI.
	11:00 - 12:16	1.27	COMP	36	E	P		(STG #4) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 120 DEG PHASING, SET CBP @ 5972', PERF WELL AS OF PROCEDURE. WHP 299 PSI, BRK 1749 PSI @ 4.0 BPM. ISIP 946 PSI, FG .60. CALC HOLES OPEN @ 50.8 BPM @ 4170 PSI = 89% HOLES OPEN. MP 4282 PSI, MR 51.4 BPM, AP 3561 PSI, AR 50.7 BPM ISIP 1541 PSI, FG .70 NPI 595 PSI.
	12:16 - 13:58	1.70	COMP	36	E	P		(STG # 5) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 120 DEG PHASING, SET CBP @ 5542', PERF WELL AS OF PROCEDURE. WHP 470 PSI, BRK 4321 PSI @ 4.6 BPM. ISIP 690 PSI, FG .56. CALC HOLES OPEN @ 51.1 BPM @ 3396 PSI = 88% HOLES OPEN. MP 5157 PSI, MR 51.3 BPM, AP 3046 PSI, AR 50.3 BPM ISIP 1610 PSI, FG .73 NPI 920 PSI.
								TOTAL 146,475 30/50 OTTAWA TOTAL WATER 4822 BBLS TOTAL SCALE INH 549 TOTAL BIOCID 103
	13:58 - 15:30	1.53	COMP	34	I	P		(KILL PLUG) RIH W/ 41/2 8-K CBP & SET @ 5454' POOH SWI RD WIRELINE & FRAC CREW.
	15:30 - 17:00	1.50	COMP	31	I	P		ND FV, NU BOPS, RU FLOOR. RIH W/ 37/8 BIT, PUMP OPEN SUB, 1.875 X/N & 96 JTS OUT OF DERICK EOT @ 2898, SWI SDFN.
2/6/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ RIG PUMP & SWIVEL
	7:30 - 8:00	0.50	COMP	31	I	P		SICP 0, RIH W/ REM 80 JTS, RU DRL EQUIP.

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14L		Spud Conductor: 9/1/2009		Spud Date: 9/2/2009	
Project: UTAH-UINTAH		Site: NBU 921-14L			Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 2/27/2012		End Date: 2/6/2012	
Active Datum: RKB @4,844.01ft (above Mean Sea Level)			UWI: NBU 921-14L		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:00 - 17:30	9.50	COMP					<p>BROKE CIRC CONVENTIONAL, TEST BOPS TO 3,000# FOR 15 MIN NO PSI LOSS. RIH.</p> <p>C/O 5' SAND TAG 1ST PLUG @ 5454' DRL PLG IN 10 MIN, 300# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 2ND PLUG @ 5542' DRL PLG IN 3 MIN, 100# PSI INCREASE RIH.</p> <p>C/O 15' SAND TAG 3RD PLUG @ 5972' DRL PLG IN 5 MIN, 200# PSI INCREASE RIH.</p> <p>C/O 25' SAND TAG 4TH PLUG @ 7179' DRL PLG IN 4 MIN, 100# PSI INCREASE RIH</p> <p>C/O 25' SAND TAG 5TH PLUG @ 7460' DRL PLG IN 4 MIN, 100# PSI INCREASE RIH</p> <p>C/O TO 7827', CIRC CLN, L/D 11 JTS. LAND TBG ON 236 JTS 23/8 L-80. ND BOPS NU WH, PUMP OPEN BIT, TURN WELL OVER TO FB CREW. RDMOL, MOVE TO & SPOT EQUIP ON BON 1023-8N2BS, SDFN</p> <p>KB= 18' (SURFACE OPEN W/ POPOFF) HANGER = .83' SICP 800 PSI, FTP 50 PSI 236 JTS 23/8 L-80 = 7478.89' PUMP OPEN, W/ 1.875 X/N = 4.13' EOT @ 7501.85'</p> <p>TWTR 4972 BBLS TWR 480 BBLS TWLTR 4492 BBLS</p> <p>302 JTS IN WELL 236 LANDED 66 TO RETURN, 32 RED, 43 YELLOW, TO SAMEULS YARD</p>
2/24/2012	7:00 -		PROD	50				<p>WELL IP'D ON 2/24/12 - 977 MCFD, 0 BOPD, 96 BWPD, CP 623#, FTP 331#, CK 56/64", LP 67#, 24 HRS</p>

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14L			Spud Conductor: 9/1/2009				Spud Date: 9/2/2009	
Project: UTAH-UINTAH			Site: NBU 921-14L					Rig Name No:
Event: WELL WORK EXPENSE			Start Date: 5/16/2012					End Date:
Active Datum: RKB @4,844.01ft (above Mean Sea Level)				UWI: NBU 921-14L				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/16/2012	7:00 - 10:00	3.00	WO/REP	44	C	P		MIRU, SPOT EQUIP. R/U PUMP LINES , KILL WELL W/ 30 BBLS, N/D WELL HEAD N/U BOPS, R/U TBG EQUIP, POOH W/ HANGER,
	10:00 - 14:00	4.00	WO/REP	44	C	P		TALLY PULLING OUT OF HOLE W/ 236 JNTS 2-3/8 TBG, L/D BHA, P/U NEW BHA, SN, POBS, BIT
	14:00 - 16:00	2.00	WO/REP	44	C	P		RIH W/ 246 JNTS 2-3/8 L-80 TBG TAG @=7,800' L/D 1 JNT PUT STRIPPING RUBBER IN, P/U PWR SWWL PREP TO DRL IN A.M SWIFN.
5/17/2012	7:00 - 7:15	0.25	MAINT	44	C	P		HSM, WORKING W/ PRESSURE.
	7:15 - 15:00	7.75	MAINT	44	C	P		MIRU WEATHERFORD NITRO / FOAM UNIT, EST CIRC W/ NITRO AIR FOAM UNIT, DRL OUT ISOLATION PLUG, W/ 500# KICK, CONT TO RIH W/ TBG, RIH TO 9,983 PUMP SWEEP, L/D 12 JNTS, P/U HANGER LAND TBG W/ 302 JNTS, R/D TBG EQUIP, R/D RIG FLOOR, N/D BOPS, N/U WELL HEAD, DROP BALL PUMP OFF BIT W/ NTRO / AIR, BLOW WELL AROUND, SWIFN.RDMO

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 921-14L	Wellbore No.	OH
Well Name	NBU 921-14L	Wellbore Name	NBU 921-14L
Report No.	1	Report Date	1/28/2012
Project	UTAH-UINTAH	Site	NBU 921-14L
Rig Name/No.		Event	RECOMPL/RESERVEADD
Start Date	2/27/2012	End Date	2/6/2012
Spud Date	9/2/2009	Active Datum	RKB @4,844.00usft (above Mean Sea Level)
UWI	NBU 921-14L		

1.3 General

Contractor	SUPERIOR	Job Method	PERFORATE	Supervisor	STEVE WALL, SR.
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type	KCL WATER	Fluid Density		Gross Interval	5,504.0 (usft)-7,818.0 (usft)	Start Date/Time	
Surface Press		Estimate Res Press		No. of Intervals	17	End Date/Time	
TVD Fluid Top		Fluid Head		Total Shots	117	Net Perforation Interval	39.00 (usft)
Hydrostatic Press		Press Difference		Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

1.5 Summary

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
	WASATCH/			5,504.0	5,512.0	3.00		0.360	EXP/	3.375	120.00				
														23.00 PRODUCTION	
														N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
	WASATCH/			5,760.0	5,764.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			5,939.0	5,942.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,992.0	6,993.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,999.0	7,000.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,084.0	7,086.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,110.0	7,112.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,146.0	7,148.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,260.0	7,262.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,282.0	7,284.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,410.0	7,412.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,428.0	7,430.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,546.0	7,547.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,584.0	7,586.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,621.0	7,623.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,748.0	7,749.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			7,816.0	7,818.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots